

Question	Answer
11.	$TU > SV$
13.	$-3.5 < z < 32.5$
15.	The lengths of the arms are the same in both positions, but the included \angle measure is greater in the second position. Therefore, by the Hinge Thm., the distance from the cab to the bucket is greater in the second position.
18.	$<$
24.	$AC > DF$
30a.	Newton Springs; $NJ < JH$ by the Hinge Thm.
30b.	418 mi